

Attorney Docket No.: KUZ0030US.NP
Inventors: Toshimitsu et al.
Serial No.: 10/577,746
Filing Date: April 27, 2006
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This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claim 1 (currently amended): A transdermal preparation used for administration of pergolide or a pharmaceutically acceptable salt thereof, said preparation having an adhesive layer ~~containing 9-50 mass%~~ comprising pergolide and/or a pharmaceutically acceptable salt thereof ~~in an adhesive layer containing~~ and 10-70 mass% styrene-isoprene-styrene block copolymer, wherein said preparation is capable of achieving a plasma AUC ratio of pergolide or the pharmaceutically acceptable salt thereof to at least one metabolite thereof of 1:0.5 to 1:5, wherein the ratio (A/B) of the maximum plasma level (A) of pergolide and/or the pharmaceutically acceptable salt thereof to a plasma level (B) thereof in the next administration is less than 2.

Claim 2 (original): The transdermal preparation according to claim 1, wherein the plasma AUC ratio of pergolide and/or a pharmaceutically acceptable salt thereof to at least one metabolite thereof is 1:0.5 to 1:3.5.

Claim 3 (original): The transdermal preparation according to claim 2, wherein the plasma AUC ratio of pergolide and/or a pharmaceutically acceptable salt thereof to at least one metabolite thereof is 1:0.5 to 1:2.

Claim 4 (previously presented): The transdermal preparation according to claim 1, wherein the metabolite is one or more kinds comprising pergolide sulfoxide, pergolide

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sulfone, despropyl pergolide or despropyl pergolide sulfoxide.

Claim 5 (original): The transdermal preparation according to claim 4, wherein the metabolite is pergolide sulfoxide.

Claim 6 (previously presented): The transdermal preparation according to claim 1, wherein the pharmaceutically acceptable salt is one or more kinds comprising hydrochloride, sulfate, mesylate, citrate, fumarate, tartarate, maleate or acetate.

Claim 7 (original): The transdermal preparation according to claim 6, wherein the pharmaceutically acceptable salt is mesylate.

Claim 8 (canceled)

Claim 9 (currently amended): The transdermal preparation according to claim 1, wherein the adhesive layer ~~contains~~ further comprises a (meth)acrylic acid copolymer.

Claim 10 (currently amended): The transdermal preparation according to claim 9, wherein the adhesive layer further ~~contains~~ comprises an acrylic polymer, said acrylic polymer being different from the (meth)acrylic acid copolymer.

Claim 11 (canceled)

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Claim 12 (previously presented): The transdermal preparation according to claim 1, wherein said preparation is an adhesive patch.

Claim 13 (withdrawn): A method of reducing a side effect caused by administration of a transdermal preparation containing pergolide and/or a pharmaceutically acceptable salt thereof in an adhesive layer, wherein said preparation is capable of achieving a plasma AUC ratio of pergolide or the pharmaceutically acceptable salt thereof to at least one metabolite thereof of 1:0.5 to 1:5, thereby reducing the side effect.

Claim 14 (withdrawn): The method according to claim 13, wherein the plasma AUC ratio of pergolide and/or the pharmaceutically acceptable salt thereof to at least one metabolite thereof is 1:0.5 to 1:3.5.

Claim 15 (withdrawn): The method according to claim 14, wherein the plasma AUC ratio of pergolide and/or the pharmaceutically acceptable salt thereof to at least one metabolite thereof is 1:0.5 to 1:2.

Claim 16 (withdrawn): The method according to claim 13, wherein the metabolite is one or more kinds comprising pergolide sulfoxide, pergolide sulfone, despropyl pergolide or despropyl pergolide sulfoxide.

Claim 17 (withdrawn): The method according to claim 16, wherein the metabolite is pergolide sulfoxide.

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Claim 18 (withdrawn): The method according to claim 13, wherein the pharmaceutically acceptable salt is one or more kinds comprising hydrochloride, sulfate, mesylate, citrate, fumarate, tartarate, maleate or acetate.

Claim 19 (withdrawn): The method according to claim 18, wherein the pharmaceutically acceptable salt is mesylate.

Claim 20 (withdrawn): The method according to claim 13, wherein the ratio (A/B) of the maximum plasma level (A) of pergolide and/or the pharmaceutically acceptable salt thereof to the plasma level (B) thereof in the next administration and/or the ratio (A'/B') of the maximum plasma level (A') of pergolide sulfoxide to the plasma level (B') of pergolide sulfoxide in the next administration is less than 2.

Claim 21 (withdrawn): The method according to claim 13, wherein the adhesive layer contains a (meth)acrylic acid copolymer.

Claim 22 (withdrawn): The method according to claim 21, wherein the adhesive layer further contains an acrylic polymer, the acrylic polymer being different from the (meth)acrylic acid copolymer.